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HE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:) Examiner: Jennifer A. Leung WEN-CHING YANG) Art Unit: 1764 Serial No.: 09/507,605) Entitled Filed: February 21, 2000) IMPROVED FLUIDIZED BED) REACTOR DESIGN Atty Docket No. RDM 98-002

November 26, 2003

Eckert Seamans Cherin & Mellott 600 Grant Street, 44th Floor Pittsburgh, PA 15219

Commissioner for Patents MAIL STOP AF P.O. Box 1450 Alexandria, VA 22313-1450

RESPONSE TO OFFICE ACTION DATED SEPTEMBER 5, 2003

INTRODUCTION

Claims 1, 2, 4-6, 8-10 and 12-21 are currently pending in this application. A Final Office Action issued September 5, 2003 rejecting all of the pending claims. Claims 1, 2, 4-6, 8-10 and 12-21 were rejected under 35 USC § 112, second paragraph, as indefinite and Claims 1, 2, 8, 9, 14, 15 and 18 were rejected under 35 USC § 102 as being anticipated by Uemura et al. (US Patent 4,308,806). In addition, Claims 4-6 and 17 were rejected under 35 USC § 103(a) as being obvious over Uemura et al. in view of Bogner et al. (EP 0 150 091). The Examiner indicated that Claim 13 would be allowable if rewritten to overcome the objections raised under 35 USC § 112, second paragraph, and to include all of the limitations of the base claim and any intervening claims. The following is an amendment and response to this outstanding Office Action.

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